

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C01B33/193 C01B33/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/17901 A (JANSEN JACOBUS CORNELIS ; MASCHMEYER THOMAS (NL); SHAN ZHIPING (NL); U) 15 March 2001 (2001-03-15) figure 2b; example 2; table 1 -----	1-15
X	US 6 107 236 A (AUBURN PAMELA R ET AL) 22 August 2000 (2000-08-22) column 7, line 61 - column 9, line 16 column 9, lines 49-65 column 10, lines 21-29 -----	1-15

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

15 October 2004

Date of mailing of the international search report

27/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Werner, H

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0117901	A	15-03-2001	AU 770364 B2	19-02-2004
			AU 3893900 A	10-04-2001
			BR 0013787 A	27-08-2002
			CA 2384090 A1	15-03-2001
			CN 1387496 T	25-12-2002
			EP 1214272 A1	19-06-2002
			JP 2003508333 T	04-03-2003
			WO 0117901 A1	15-03-2001
			US 2003017943 A1	23-01-2003
			US 2003188991 A1	09-10-2003
			US 2004138051 A1	15-07-2004
			US 2002074263 A1	20-06-2002
<hr/>				
US 6107236	A	22-08-2000	AU 3477199 A	01-11-1999
			US 2003092858 A1	15-05-2003
			US 2003060582 A1	27-03-2003
			WO 9952627 A1	21-10-1999
			US 6372685 B1	16-04-2002
<hr/>				